

Arecibo Area, Puerto Rico Northern Part  
Soil Features

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(See text for definitions of terms used in this table. Absence of an entry indicates that the feature is not a concern or that data were not estimated.)

Map symbol and soil name	Restrictive layer				Subsidence		Potential for frost action	Risk of corrosion	
	Kind	Depth to top	Thickness	Hardness	Initial	Total		Uncoated steel	Concrete
		In	In		In	In			
AaC: Aceitunas-----	---	---	---	---	0	---	None	High	High
AcC: Aceitunas-----	---	---	---	---	0	---	None	High	High
AdF2: Adjuntas-----	Bedrock (paralithic)	20-32	---	---	0	---	None	High	High
AgC: Algarrobo-----	---	---	---	---	0	---	None	High	High
AlB: Almirante-----	---	---	---	---	0	---	None	High	High
AlC: Almirante-----	---	---	---	---	0	---	None	High	High
AmB: Almirante-----	---	---	---	---	0	---	None	High	High
AmC: Almirante-----	---	---	---	---	0	---	None	High	High
AnB: Almirante-----	---	---	---	---	0	---	None	High	High
AnC: Almirante-----	---	---	---	---	0	---	None	High	High
AoD2: Alonso-----	---	---	---	---	0	---	None	High	High

## Soil Features--Continued

Map symbol and soil name	Restrictive layer				Subsidence		Potential for frost action	Risk of corrosion	
	Kind	Depth to top	Thickness	Hardness	Initial	Total		Uncoated steel	Concrete
		In	In		In	In			
AoE2: Alonso-----	---	---	---	---	0	---	None	High	High
AoF2: Alonso-----	---	---	---	---	0	---	None	High	High
ArC: Arecibo-----	---	---	---	---	0	---	None	Low	High
Ba: Bajura-----	---	---	---	---	0	---	None	High	Moderate
BcB: Bayamon-----	---	---	---	---	0	---	None	High	High
BcC: Bayamon-----	---	---	---	---	0	---	None	High	High
BsB: Bayamon-----	---	---	---	---	0	---	None	High	High
BsC: Bayamon-----	---	---	---	---	0	---	None	High	High
ByB: Bayamon-----	---	---	---	---	0	---	None	High	High
ByC: Bayamon-----	---	---	---	---	0	---	None	High	High
CaF: Caguabo-----	Bedrock (lithic)	10-20	---	---	0	---	None	Moderate	Low

## Soil Features--Continued

Map symbol and soil name	Restrictive layer				Subsidence		Potential for frost action	Risk of corrosion	
	Kind	Depth to top	Thickness	Hardness	Initial	Total		Uncoated steel	Concrete
		In	In		In	In			
CbF: Caguabo-----	Bedrock (lithic)	10-20	---	---	0	---	None	Moderate	Low
Rock Outcrop-----	Bedrock (lithic)	0-0	---	---	0	---	None	---	---
CcD: Caracoles-----	Bedrock (lithic)	6-10	---	---	0	---	None	Low	Low
CcE: Caracoles-----	Bedrock (lithic)	6-10	---	---	0	---	None	Low	Low
CeC: Carrizales-----	---	---	---	---	0	---	None	Low	High
Cf: Catano-----	---	---	---	---	0	---	None	Low	Low
Cg: Coastal Beaches-----	---	---	---	---	0	---	Low	High	High
ClD2: Colinas-----	Bedrock (paralithic)	20-36	---	---	0	---	None	Moderate	Low
ClE2: Colinas-----	Bedrock (paralithic)	20-36	---	---	0	---	None	Moderate	Low
ClF2: Colinas-----	Bedrock (paralithic)	20-36	---	---	0	---	None	Moderate	Low
CmF2: Colinas-----	Bedrock (paralithic)	20-36	---	---	0	---	None	Moderate	Low

## Soil Features--Continued

Map symbol and soil name	Restrictive layer				Subsidence		Potential for frost action	Risk of corrosion	
	Kind	Depth to top	Thickness	Hardness	Initial	Total		Uncoated steel	Concrete
		In	In		In	In			
Cn: Coloso-----	---	---	---	---	0	---	None	High	Moderate
CoE: Consejo-----	---	---	---	---	0	---	None	High	High
CoF: Consejo-----	---	---	---	---	0	---	None	High	High
CpE: Consumo-----	---	---	---	---	0	---	None	High	High
CpF: Consumo-----	---	---	---	---	0	---	None	High	High
CrC: Corozal-----	---	---	---	---	0	---	None	High	High
CsC: Corozo-----	---	---	---	---	0	---	None	High	High
CtB: Coto-----	---	---	---	---	0	---	None	High	High
CtC: Coto-----	---	---	---	---	0	---	None	High	High
CuF: Cuchillas-----	Bedrock (paralithic)	20-36	---	---	0	---	None	Moderate	High
CvF: Cuchillas-----	Bedrock (paralithic)	20-36	---	---	0	---	None	Moderate	High
Rock Outcrop-----	Bedrock (lithic)	0-0	---	---	0	---	None	---	---

## Soil Features--Continued

Map symbol and soil name	Restrictive layer				Subsidence		Potential for frost action	Risk of corrosion	
	Kind	Depth to top	Thickness	Hardness	Initial	Total		Uncoated steel	Concrete
		In	In		In	In			
DaD2: Daguey-----	---	---	---	---	0	---	None	High	High
EaB: Espinosa-----	---	---	---	---	0	---	None	High	High
EaC: Espinosa-----	---	---	---	---	0	---	None	High	High
EbB: Espinosa-----	---	---	---	---	0	---	None	High	High
EbC: Espinosa-----	---	---	---	---	0	---	None	High	High
EcB: Espinosa-----	---	---	---	---	0	---	None	High	High
EcC: Espinosa-----	---	---	---	---	0	---	None	High	High
Es: Estacion-----	---	---	---	---	0	---	None	Moderate	Moderate
Ga: Garrochales-----	---	---	---	---	12-24	24-46	None	Moderate	Low
GeC: Guerrero-----	---	---	---	---	0	---	None	High	High
HD: Hydraquents-----	---	---	---	---	0	---	None	High	High
HmE: Humatas-----	---	---	---	---	0	---	None	High	High

## Soil Features--Continued

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## Soil Features--Continued

Map symbol and soil name	Restrictive layer				Subsidence		Potential for frost action	Risk of corrosion	
	Kind	Depth to top	Thickness	Hardness	Initial	Total		Uncoated steel	Concrete
		In	In		In	In			
LgD: Los Guineos-----	---	---	---	---	0	---	None	High	High
LgE: Los Guineos-----	---	---	---	---	0	---	None	High	High
LgF: Los Guineos-----	---	---	---	---	0	---	None	High	High
LME: Los Guineos-----	---	---	---	---	0	---	None	High	High
Maricao-----	---	---	---	---	0	---	None	High	High
Rock Outcrop-----	Bedrock (lithic)	0-0	---	---	0	---	None	---	---
MaF2: Maraguez-----	---	---	---	---	0	---	None	Moderate	Low
McF: Maricao-----	---	---	---	---	0	---	None	High	High
MmF: Matanzas-----	Bedrock (lithic)	40-60	---	---	0	---	None	High	Low
Rock Outcrop-----	Bedrock (lithic)	0-0	---	---	0	---	None	---	---
MnB: Matanzas-----	Bedrock (lithic)	40-60	---	---	0	---	None	High	Low
MoC2: Moca-----	---	---	---	---	0	---	None	High	High
MoD2: Moca-----	---	---	---	---	0	---	None	High	High

## Soil Features--Continued

Map symbol and soil name	Restrictive layer				Subsidence		Potential for frost action	Risk of corrosion	
	Kind	Depth to top	Thickness	Hardness	Initial	Total		Uncoated steel	Concrete
		In	In		In	In			
MoE2: Moca-----	---	---	---	---	0	---	None	High	High
MpF2: Morado-----	Bedrock (paralithic)	20-40	---	---	0	---	None	Moderate	Low
MuE: Mucara-----	Bedrock (paralithic)	20-36	---	---	0	---	None	High	Low
MuF: Mucara-----	Bedrock (paralithic)	20-36	---	---	0	---	None	High	Low
NaD: Naranjo-----	---	---	---	---	0	---	None	High	Low
NaE: Naranjo-----	---	---	---	---	0	---	None	High	Low
NaF: Naranjo-----	---	---	---	---	0	---	None	High	Low
Pa: Palmar-----	---	---	---	---	20-40	36-48	None	Moderate	Low
PeF: Pellejas-----	---	---	---	---	0	---	None	Low	High
PhC2: Perchas-----	---	---	---	---	0	---	None	High	High
PhD2: Perchas-----	---	---	---	---	0	---	None	High	High



## Soil Features--Continued

Map symbol and soil name	Restrictive layer				Subsidence		Potential for frost action	Risk of corrosion	
	Kind	Depth to top	Thickness	Hardness	Initial	Total		Uncoated steel	Concrete
		In	In		In	In			
Ps: Pits-----	---	---	---	---	0	---	None	---	---
Pt: Pits-----	---	---	---	---	0	---	None	---	---
Re: Reilly-----	---	---	---	---	0	---	None	Low	Moderate
RLC: Rio Lajas-----	---	---	---	---	0	---	None	Low	Low
Rm: Riverwash-----	---	---	---	---	---	---	---	---	---
Ro: Rock Outcrop-----	Bedrock (lithic)	0-0	---	---	0	---	None	---	---
Rr: Rock Outcrop-----	Bedrock (lithic)	0-0	---	---	0	---	None	---	---
RSF: Rock Outcrop-----	Bedrock (lithic)	0-0	---	---	0	---	None	---	---
San German-----	Bedrock (lithic)	5-14	---	---	0	---	None	Low	Low
RtF: Rock Outcrop-----	Bedrock (lithic)	0-0	---	---	0	---	None	---	---
Tanama-----	Bedrock (lithic)	12-20	---	---	0	---	None	High	Low
SaB: Sabana Seca-----	---	---	---	---	0	---	None	High	High
SgD: San German-----	Bedrock (lithic)	5-14	---	---	0	---	None	Low	Low

## Soil Features--Continued

Map symbol and soil name	Restrictive layer				Subsidence		Potential for frost action	Risk of corrosion	
	Kind	Depth to top	Thickness	Hardness	Initial	Total		Uncoated steel	Concrete
		In	In		In	In			
SgF: San German-----	Bedrock (lithic)	5-14	---	---	0	---	None	Low	Low
SmF: San Sebastian-----	---	---	---	---	0	---	None	Low	Low
SnC: Santa Clara-----	Bedrock (lithic)	24-40	---	---	0	---	None	High	Low
SNS: (soils Not Surveyed)---	---	---	---	---	---	---	---	---	---
SoC: Soller-----	Bedrock (lithic)	20-34	---	---	0	---	None	High	Low
SoD: Soller-----	Bedrock (lithic)	20-34	---	---	0	---	None	High	Low
SoF: Soller-----	Bedrock (lithic)	20-34	---	---	0	---	None	High	Low
SpD: Soller-----	Bedrock (lithic)	20-34	---	---	0	---	None	High	Low
SpF: Soller-----	Bedrock (lithic)	20-34	---	---	0	---	None	High	Low
SrF: Soller-----	Bedrock (lithic)	20-34	---	---	0	---	None	High	Low
Rock Outcrop-----	Bedrock (lithic)	0-0	---	---	0	---	None	---	---
TaB: Tanama-----	Bedrock (lithic)	12-20	---	---	0	---	None	High	Low

## Soil Features--Continued

Map symbol and soil name	Restrictive layer				Subsidence		Potential for frost action	Risk of corrosion	
	Kind	Depth to top	Thickness	Hardness	Initial	Total		Uncoated steel	Concrete
		In	In		In	In			
TaC2: Tanama-----	Bedrock (lithic)	12-20	---	---	0	---	None	High	Low
TaD2: Tanama-----	Bedrock (lithic)	12-20	---	---	0	---	None	High	Low
Tb: Tiburones-----	---	---	---	---	20-40	36-48	None	Moderate	Moderate
To: Toa-----	---	---	---	---	0	---	None	Moderate	Low
TP: Tropopsamments-----	---	---	---	---	0	---	None	Low	Low
Ur: Urban Land-----	---	---	---	---	0	---	None	---	---
VaB: Vega Alta-----	---	---	---	---	0	---	None	High	Moderate
VaC2: Vega Alta-----	---	---	---	---	0	---	None	High	Moderate
VcB: Vega Alta-----	---	---	---	---	0	---	None	High	Moderate
VcC2: Vega Alta-----	---	---	---	---	0	---	None	High	Moderate
VeB: Vega Baja-----	---	---	---	---	0	---	None	High	High
Vg: Vigia-----	---	---	---	---	0	---	None	High	Low

## Soil Features--Continued

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